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	AP5018295		
	kV applied potential.	Orig. art. has: 2h formulas,	5 figures, and 3 tables.
		neskiy institut imeni V.I.Le	nina, Khar'kov (Polytechni
	<u>institute</u>)		
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1 60329-65 EVT(1)/EPX(s)-2/EPA(w)-2/EVA(m)-2 ACCESSION NR: AP5018307	UR/C057/65/035/007/1265/1272
At THOR: Korsunskiy, M. T.; Corbenko, E. N.	533.9
TITLE: On some properties of an electronic-lonic	oscillatory discharge 8
S(URCE: Zhurnal tekhnicheskoy fiziki, v. 35, no.	7, 1965, 1265-1272
TOPIC TAGS: discharge tube, oscillation, electron	
ABSTRACT: In order to investigate discharges and in which, however, it is ions rather than electron opening in one of the electrodes, the authors have four-electrode discharge tube. The electrodes were	ns that oscillate through an econstructed and operated a
thick copper disks mounted parallel to each other of the electrodes extended beyond the quartz wall copled. Electrodes 1, 2, and 3 had 2 cm diameter	on a 6 cm spacing. The edges of the chamber and were water openings in their centers, and
electrode 1 carried a hot tungston filament. Electrode 1 was kept at a moderate positive potential (up to 3 kV) we electrode 1 was kept at a moderate positive potent A longitudinal magnetic field up to 5 x 10 1 k/m was	with respect to electrode 3 and tial with respect to electrode 3.
Cord 1/3	as broaded. The pensator of

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ACCESSION NR: AP5018307
the discharge tube for various electrode potentials and gas (air) pressures was observed and is described in considerable detail. The potentials on and the electrodes were measured, the heat dissipated at electrode currents to all the electrodes were measured, the heat dissipated at electrode 3 was determined by measuring the temperature rise of the cooling water, and the discharge was observed visually. It was anticipated that electrodes 1, 2, and discharge was observed visually. It was anticipated that the ions produced by the would give rise to a Penning type discharge and that the ions produced by the would give rise to a Penning type discharge and that the ions produced by the oscillating electrons would execute analogous oscillations through the opening electrode 3. It was found that the discharge was stable when the gas pressure electrode 3. It was found that the discharge was stable when the gas pressure enceded 6 x 10 mm Hg. When electrodes 1 and 3 were maintained at the same enceded 6 x 10 mm Hg. When electrodes 1 and 3 were maintained at the same those tube. When the potential difference between electrodes 1 and 2 was continued tube. When the potential difference between electrodes 1 and 1, howey
tiode tube. When the potential difference becomes the constant of the siderably less than that between electrodes 2 and 3 and between 3 and 4, however, siderably less than that between electrodes 2 and 3 and between 3 and 4, however, siderably less though the transverse inn oscillations of the ions were considerable. The presence of ionic oscillations will ocities of the ions were considerable. The presence of ionic oscillations will indicated by an electron component in the current to electrode 1 and by the presence of cathode sputtering on the side of electrode 3 facing electrode 1.
siderably less than that between electrones I and such though the transverse inn oscillations of the anticipated type occurred, even though the transverse inn oscillations vilocities of the ions were considerable. The presence of ionic oscillations vilocities of the ions were considerable. The current to electrode h and by the

1 0329-65 ACCESSION NR:AP5018307		
dently regulated. In a up to 1 A were attained tentials up to 3 kV. 10	preliminary discharge charge charge grown in the gas pressures from it in the pressures from it is a formula.	on escillations could be indensabler with metal walls, curred to 10 mm Hg with anodes, h figures, and 1 table. V.I.Lenina, Khar'kov (Polytec
Submitted: 06 Jul64	encl: 00	SUB CODE: ME, NP
NE REF SOV: 001		
Card 3/3.009		

GURBENKO, F.P. (Morshin); BUDCHANOV, I.A. (Morshin); VELICHKOVSKIY, P.I. (Morshin)

Microchemical determination of general acidity and free hydrochloric acid in gastric juice. Klin.med. 31 no.10:48-50 0 '53. (MIRA 6:11)

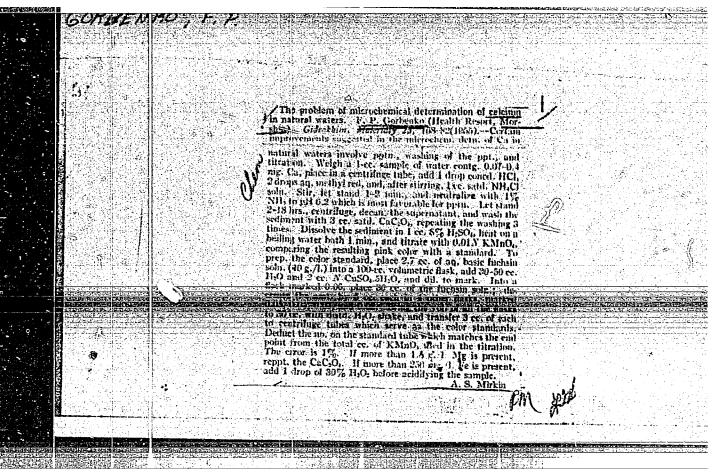
(Gastric juice)

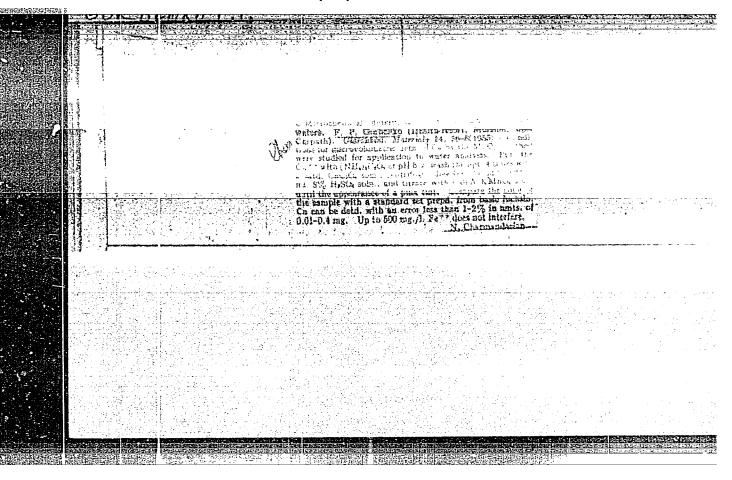
DUR()V, S.A.; GORBENKO, F.P.; URAZOV, G.G., akademik.

A case of abrupt stratification of mineral water in well shafts. Dokl.AM SSSR 93 no.1:109-110 N '53. (MLRA 6:10)

1. Akademiya nauk SSSR (for Urazov).

(Mineral waters)





(HORBENKO, Fedor Polikarpovich; PIL'KEVICH, Stanislava Yulianovna; KIRICHINSKIY, A.R., red.; LOKHMATIY, Ye.G., tekhred.

[Morshin Health Resort] Kurort Morshin. Isd.2., dop. i ispr. Kiev, Gos.med.izd-vo USSR, 1959. 63 p. (MIRA 13:7) (MORSHIN--HEALTH RESORTS, WATERING PLACES, ETC.)

GORBENKO, F.P.; BORODA, T.A.

Determination of chlorides in gastric juice by the argentometric micromethod (More's method). Lab.delo 6 no.2:20-22 Mr-Ap '60.

(MIRA 13:6)

1. Kafedra khimii L'vovskogo pedagogicheskogo instituta (dir. - dotsent G.I. Lomov).

(GASTRIC JUICE) (CHLORIDES)

GORBENKO, F.P.; SACHKO, V.V.

Extraction of calcium by means of azo-azoxy-butylnaphthalene in the presence of polar solvents. Zhur.anal.khim. 18 no.10:1198-1205 0 '63. (MIRA 16:12)

1. All-Union Scientific-Research Institute of Chemical Reagents and Chemical Substances of Special Purity, Branch in Donetsk.

GORBENKO, F.P.; SHEVCHUK, I.A.; TSELINSKIY, Yu.K.; SACHKO, V.V.

Extraction of microquantities of calcium in the presence of alkyl amines. Zhur. anal. khim. 18 no.11:1397-1398 N '63. (MIRA 17:1)

1. Donetskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov i osobo chistykh veshchestv.

GORBENKO, F.P.; SACHKO, V.V.

Determination of calcium microimpurities in alkali metal compounds by the use of extraction in the presence of tributyl phosphate. Zhur. anal.khim. 18 no.12:1497 1499 D '63. (MIRA 17:4)

1. Donetskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv.

CORBENKO, F. P.

The Second All-Union Conference on the Preparation and Analysis of High-Purity Elements, held on 24-28 December 1963 at Gorky State University im. N. I. Lobachevskiy, was sponsored by the Institute of Chemistry of the Gorky State University, the Physicochemical and Technological Department for Inorganic Materials of the Academy of Sciences USSR, and the Gorky Section of the All-Union Chemical Society im. D. I. Mendeleyev. The opening address was made by Academician N. M. Zhavoronkov. Some 90 papers were presented, among them the following:

V. M. Peshkova and co-workers; F. P. Gorbenko and others; V. N. Podchaynova and others. Methods for determining microquantities of Ni in P, Ca in Be compounds, and small quantities of Tl in Sb based mateterials.

(Zhur ANAL Khim 19, No 6 1964 p. 777-79)

GORBENKO, F.P.; ZAKORA, L.Ya.

Determination of microgram quantities of iron in barium salts using a bathophenanthroline reagent. Trudy IREA no.25:321-324 163. (MIRA 18:6)

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Photocolorimetric determination of microgram quantities of nickel in lead salts. Trudy IREA no.25:325-328 *63.

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Determination of copper in nickel-zinc ferrites by the diethyldithiocarbamate method. Trudy IREA no.25:329-333 163. (MIRA 18:6)

-CARMENKO, F.P.; SACHKO, V.V.

Extraction of calcium by means of azo-azoxy BN. Ukr. khim. zhur. 30 no.4:402-404 64. (MIRA 17:6)

l. Donetskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv.

GCRBENKO, F.P.; TARKOVSKAYA, I.A., OLEVINSKIY, M.I.

Determination of calcium microimpurities in alkali metal and ammonium salts after a preliminary concentration of oxidized carbon. Ukr. khim. zhur. 30 no.6:640-643 '64. (MIRA 18:5)

1. Donetskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv i Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

GORBENKO, F.P.; SACHKO, V.V.

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l. Donetskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv.

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GOFBENKO, F.P.; TARKOVSKAYA, I.A.; OLEVINSKIY, M.I.

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TARKOVSKAYA, 1.A., GORBENKO, F.P., YEMEL'YANOV, V.B., OLEVINSKIY, M.I.

Concentration of microimpurities by means of oxidized carbon. Trudy Kom. anal. khim. 15:336-345 '65. (MIRA 18:7)

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Extraction-photometric determination of microimpurities of calcium in barium compounds. Zhur. anal. khim. 20 no.3:309-312 '65. (MIRA 18:5)

1. Donetskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv.

TARKOVSKAYA, I.A.; GORBINKO, F.P. Prinimala uchastiye PESTRIKOVA, N.I.

Separation of microamounts of calcium from barium, strontium, and magnesium by precipitation. Zhur. anal. khim. 20 no. 11: 1185-1190 *65 (MIRA 19:1)

1. Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo AN UkrSSR, Kiyev i Donetskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta khimicheskikh reaktivov i osobo chistykh khimicheskikh veshchestv. Submitted June 4, 1964.

GORBENKO, F.P.; DEGTYARENKO, L.I.

Determination of clacium microimpirity in amphoteric metals and their compounds and alloys. Zav. lab. 31 no.11:1309-1312 165. (MIRA 19:1)

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GORBENKO, G.L.

Development of the gas industry in Tyumen' Province. Neftegaz.geol. 1 geofiz. no.1:31-34 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel skiy institut prirodnogo gaza.

VASIL'YEV, V.G.; GORBENKO, G.L.; MIRONCHEV, Yu.P.

Natural gas fields in Siberia. Gaz. prom. 10 no.1:8-13 '65.

(MIRA 18:1)

BAGIRYAN, G.V.; VASIL'YEV, V.G.; GORBENKO, G.L.; MIRONCHEV, Yu.P.; KOCHAROV, S.M.

Oil and gas fields of Siberia. Neftegaz.geol. i geofiz. no.1:4-9
(MIRA 18:5)

1. Gosudarstvennyy geologicheskiy komitet RSFSR i Vsesoyuznyy nauchno-issledovatel skiy institut prirodnogo gaza.

CORBENKO, I.; KIRZNER, O. THE STATE OF THE S Defects of the 1949 type of grain elevator. Muk.-elev.prom. 21 no.5: (MIRA 8:9)

14-15 My 155. (Grain elevators)

POGORELYY, W.P.; KOLGANOV, G.S.; GORHENKO, K.N.; SERVETNIK, V.M.;
TOVAROVSKIY, I.G.

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GORBENKO, L.

Gorbenko, L. "Prospecting for Oil Deposits by the Field Techniques of the Electrical Method." Azer aidzhanskoe Neftianoe Khoziaistve, Baku, No. 10.11, 1935, pp. 11-15.

GORBENKO, L. A.

Denisevich, V. V. and <u>Gorbenko, L. A.</u> Apparent Resistances of C¹ Saturated Sands in Productive Layers. Azerbaidzhanskoe Neftiance Khoziaistvo, Paku, No. 11/12, 1938, pp. 63-67.

SOV/169-59-2-1291

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 2, p 42 (USSR)

AUTHOR:

Gorbenko, L.A.

TITLE:

On the Interior Ballistics of Shooting Perforators 5

PERIODICAL:

Tr. Vses. n.-1. in-ta geofiz. metodov pazvedki, 1957, Nr 2, pp 197 - 239

ABSTRACT:

The formulae applied to the computing of interior ballistics of artillery systems are not suitable for computing the maximum pressures of the gunpowder timers in shooting perforators, where the density of the charge exceeds 0.8. The formulae taking in account the forces of intermolecular repulsion of the gunpowder gases, derived by S.B. Ratner for the products of pentrite explosions, are more accurate for the computations mentioned. The application of these formulae yielded a good coincidence of the computed and measured magnitude of the velocity of projectiles for different types of perforators. In these calculations, the quantity taking into account the effect of the volume of the gas molecules on the gas pressure (the co-volume) is taken as being a variable dependent on the density of charge. The maximum pressures in the perforators considerably exceed the pressure in artillery systems and amount to 22,000 - 26,000 kg/cm². The

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On the Interior Ballistics of Shooting Perforators

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measurements of the pressures in the perforator chambers were carried out by means of crushers, and the velocities of the projectiles were measured by means of an electron chronograph "Universitet" with an accuracy of ± 10-5 sec. The measured and computed data on the determination of the projectile velocity coincide with an accuracy of about 2 - 5%. The experimental investigations of the dependence of the maximum pressure in the perforator chamber on the density of charge showed that the pressures sharply increase with increasing density of charge from 1 to 1.4. The problems are investigated on the variability of the gunpowder gases pressure along the barrel of the perforator for (various volumes of chambers, the dependence of the projectile velocities on the relation of the volume of the gunpowder chamber to the weight of the projectile and of the projectile velocity to the length of the barrel. It is shown that the projectile velocity increases approximately linearly from 650 to 800 m/sec when the length of the perforator barrel increases from 45 to 85 mm. The projectile velocities increase little with the forcing pressure arising when the obturator, steel and asbestos-rubber cement packings are employed. They even begin to decrease with increasing, up to 3 mm, thickness of the packings. Tables are given compiling the data characterizing the ballistical and technical properties of the applied perforators and their penetrating power. The method of the ballistic computation of a perforator and an example of computation are given. Bibl. 67 titles.

Card 2/2

N.A. Pertkov

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					Vsesoyuznyy nauchno-issledovatel'skly institut geofizichesklich meto- dov rezvedki	Razvedochnaya 1 prografovsya geofizika, vyp. 24 (Exploration and In- dustral Geophysics, No.24) Roscow, dostopschaizet, 1956-59 p. (Serfes: Obser profixvodstvennya optom) 4,500 copies printed.	Ed.: W.K. Polahkov; Exec. Ed.: Ye. G. Porshins; Tech. Ed.: I.G. Pedotova.	FURPOSE: This booklet is intended for geophysicists as well as en- gineers and technicians engaged in geophysical work.	TRACE: This collection of articles discusses new methods of in- terpretriang electrical loging, gravinetric and seisate data, and describes indiscrial grophysical instruments (commissers, per- forsior, etc.). Improvements made on older apparatus (e.g., a change in the design of a perforator for padisactive electrical loging) are also discussed. References accompany each article.	. Interpretation of Telluric Current Observations 17	ğ	Computing Coefficients of Dipole Units in Cur-	. Gravity Effect of a Vertical Cylinder of Pinite	Evaluating the Character of Oll Saturation of	Our noting the straight facts Through Electrologging Date 31 Akeal rod 15 Mar 1900 Straight S	A. Substituting the Inclinameter Teh. 2 and ret. a	Kneochords Without Subsequent Rescaling Gorbenko, L.A. Mew Performance of Ag	Mr. and Mr.P. Sumerrov. Automatic Hoist Switch-ore com-	or Change in the Design of a New World	Jorner in a Depth Appliance for Radioactive Logging Trads-57 AVAILARE: Library of Congress	ad/)001	K. T.		•
				3(5)	VBesoyuznyy dor rezv	Razvedochna dustrial (Series:	Ed.: M.K. Pedotova	FURPOSE: T	COVERAGE: terpretil describe: forstor, change 11	Popov, Tu. N.	Popov, Tu. M. Vertor Diag	Bordovskiy, V.P.	Beloserov, I.P.	Molochulkov, Z.I.	Aksel rod S	Zel'tsman, F.	Kneochords Wi Gorbenko, İ.,		lorsids, ve v	TOTALE IN A DATE OF THE STATE O	Card 3/3			

Hew perferators for oil wells. Razved i prom. geofiz. 24:46-56

(Oil wells -- Equipment and supplies)

(MIRA 11:12)

LOVLYA, Sergey Aleksandrovich; GORBENKO, Leonid Andreyevich; KAPLAN, Berta L'vovna; ISAYEVA, V.V., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Torpedoing and perforation of wells] Torpedirovenie i perforatsiia skvashin. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gcrno-toplivnoi lit-ry, 1959. 247 p. (MIRA 12:4)

(Petroleum engineering)

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对于某人的隐藏的问题就可以。

GRIGORYAN, Norsyr Grigor'yevich; POMETUN, Dmitriy Yefimovich; GORBENKO,
Leonid Andreyevich; LOVLYA, Sergey Aleksandrovich; KAPLAN, Berta
L!vovna; CHERNOUSOV, P.K., inzh., retsenzent; PERSHINA, Ye.G.,
vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Perforating and blasting in wells] Prostrelochnye i vzryvnye raboty v skvazhinakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 353 p. (MIRA 13:3) (Prospecting) (Blasting)

GCEBRNKO, L.A.

Device for cleaning the bottom part of bullets used with SSP perforators. Rasyed. i prom. geofix. no. 35:47-48 (60. (Oil well shooting)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

CHESNOKOV, A.A.; KROSHCHENKO, V.D.; GORBENKO, L.A.

Studying the impulse loads in shooting a perforator or core lifter. Razved. i prom. geofix. no.46:118-125 '62. (MIRA 16:3) (Boring machinery—Testing)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

FALK, I.B.; GORBENKO, 1.A.

Determining the optimal perforation density on the basis of the results of well investigations. Neft. khoz. 41 no.3:44-51 Mr 163. (MIRA 17:11)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

GORBENKO, L.A.

Efficiency of the PK-103 jet perforator. Neftegaz. geol. i geofiz. no. 12:40-46 163. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki.

GORBENKO, L.A.; RACHKIN, A.I.

Electric parameters of KOBDT-4 and KOBD-4 logging cables. Razved. i prom. geofiz. no.48:103-107 '63 (MIRA 18:1)

GORBENKO, L.A.; KULESHOV, Yu.N.

Distance-type switch. Biul.nauch.-tekh.inform VIMS no.1:101-103 63. (MIRA 18:2)

YL'IN, K.P., kand.tekhm.nauk; PLADIS, F.A., inzh.; ROSTOVSKAYA, Ye.P., inzh.; VOVCHENKO, P.I., inzh.; Prinimali uchastiye: GORRFNKO, L.G., inzh.; SHESTAKOV, Yu.K., inzh.; LABADIN, S.I., inzh., retsenzent; MALAKHOV, K.N., inzh., retsenzent; PETROVA, V.L., inzh., red.; BOBROVA, Ye.N., tekhm.red

[Methods of determining freight weight] Sposoby opredeleniia vesa gruzov. Moskva, Vses.izdatel'skopoligr.ob"edinenie N-va putei soob., 1961. II7 p. (Moscow. Vsesoiuznyi nauchnoissledovatel'skii institut zheleznodorozhnogo transporta.

Trudy, no.215) (MIRA 15:1)

(Railroads—Freight) (Weighing machines)

KASHEVNIK, L.D. (Tomsk, ul. Uchebnaya, d.20, kv. 40); GORBENKO, L.P. (Tomsk, B. Kazanskaya ul., d.61, kv.4)

Electrophoretic determination of changes in blood proteins in cancer.

Vop.onk. 5 no.5:560-565 *59. (MIRA 12:12)

l. Iz kafedry bickhimii, kafedry gospital'noy khirurgicheskoy kliniki Meditsinskogo instituta i onkologicheskogo dispansera Tomska (rukovoditel' - prof. L.D. Kashevnik). (BIOOD PROTKINS, in various dis.

cancer (Rus))
(MEOPLASMS, blood in
proteins (Rus))

GORBENKO, DR M. M.

PA 153T73

USSR/Medicine - Chemotherapy

Jul ko

"Magnesium Sulfate in the Therapy of Inflammations," Dr M. M. Gorbenko, Surg Dept, Leovsk Rayon Hosp, Moldavian SSR, 1 1/2 pp

"Sov Med" No 7

Tests on 110 patients proved that continuous intramuscular injection of 10 cc of a 25% solution of magnesium sulfate is a completely antiphlogistic and antispastic lenitive. Serious complications usually present for indicated dosage in parenteral introduction were absent. Method proved ineffective against very virulent infections, but speeded localization of deep abserved in pliable tissues.

GORBENKO, M.M.

Magnesium therapy in thrombophlebitis of lower extremities. Vest. Vest.khir. Grekova 70 no.5:43-44 1950. (CIML 20:5)

1. Head of Surgical Division of Leovo District Hospital.

GORBENKO, M. M.

Treatment of acute inflammatory processes in surgery from the viewpoint of Pavlov's theory. Sovet. med. no.7:4-8
July 1951. (CIML 20:11)

1. Head of the Surgical Division of Rezinsk Rayon Hospital. Moldavian SSR.

GORBENKO, M.M.

Treatment of infected burns in children. Pediatriia, Moskva no. 4:59-61 July-Aug. 1952. (CEML 22:5)

1. Of Resinskiy Rayon Hospital (Head Physician - A. Ye. Raytburg).

(HORBENKO, M.M.

Treating uncomplicated clavicle fractures. Ortop.travm. i protes. 19 no.5:82-83 S-0 '58 (MIRA 11:12)

l. Is khirurgicheskogo otdeleniya (zav. N.N. Gorbenko) Floreshtskoy raybol'nitsy (glavnyy wrach A.D. Volovskiy), MSSR.
(CLAVICIE--FRACTURES)

CORBENKO, M.M. (Kherson)

First aid in burns. Sov.med. 26 no.7:102-103 J1 '62.

(MIRA 15:11)

(BURNS AND SCALDS) (FIRST AID IN ILLNESS AND INJURY)

KONYAKHIN, I.R.; SHOOKOV, L.M.; GORBENKO, N.S.

Using a conical crusher to determine working forces. Zav. lab. 24 no.5:632-633 '58. (MIRA 11:6)

1, Tomskiy politekhnicheskiy institut.
(Physical testing)

GORBENKO N.I.

PHASE I BOOK EXPLOITATION

SOV/5902

- uroshikov, Aleksandr Ivanovich, Yuriy L'vovich Zaslavskiy, and Nikolay Iosifovich Gorbenko
- 'Zagotovitel'no-shtampovochnyye raboty v samoletostroyenii (Pressworking Processes in Aircraft Fabrication) Moscow, Oborongiz, 1961. 555 p. Errata slip insertel. 5000 copies printed.
- Reviewer: M. N. Gorbunov, Candidate of Technical Sciences, Docent; Ed.:
 V. Ya. Shekhter, Candidate of Technical Sciences; Ed. of Publishing House:
 P. B. Morozowa; Tech. Ed.: V. P. Rozhin; Managing Ed.: S. D. Krasil'nikov,
 Engineer.
- PURPOSE: This textbook is intended for students in aircraft-construction tekhnikums. It can also be useful to workers, foremen, and process engineers in aircraft fabrication.
- COVERAGE: Basic information is given on pressworking processes used on aircraft, including methods of planning the manufacturing processes and the design of

Card 1/

Pressworking Processes (Cont.)

SOV/5902

accessories for shops making pressworked parts. The equipment, accessories, and processes used in making aircraft parts from sheet, shapes, and tube are described. Also discussed are the means for mechanization and automation of pressworking processes, particularly manual finishing operations, which account for to 30 to 60% of the labor in all pressworking operations in experimental and small-lot production. Ch. I to III were written by N. I. Gorbenko, Engineer; Ch. IV to VII, XI, XIII, and XVI, by A. I. Groshikov, Engineer; and Ch. VIII to X, XII, XV, and XVI by Ya. L. Zaslavskiy, Engineer. There are 26 references, all Soviet.

TABLE OF CONTENTS [Abridged]:

Foreword	
Ch. I. Basic Information on Preparation of Aircraft Production Production and processing Types of production	5 6 6
Ergineering Preparation of production Planning of manufacturing processes	7

Card 2/8

GORBENKO, P.K.

Radiative and nonradiative electron transitions in F-centers.

1zv. vys. ucheb. zav.; fiz. no.5:73-75 163. (MIRA 16:12)

1. Kiyevskiy politekhnicheskiy institut.

SOV/133-59-4-9/32

AUTHOR:

Gorbenko P. P.

TITIE:

The Determination of Overturning Moment of a Convertor With Liquid Metal by Means of a Model (Opredeleniye na

modeli oprokidyvayushchikh momentov konvertera s

zhidkim metallom)

PEEIODICAL: Stal', 1959, Nr 4, pp 320-322 (USSR)

ABSTRACT:

On increasing the capacity of a convertor from 30 tons to 35 tons it was necessary to check (by calculation) the strength of the reversing mechanisms and to determine the necessary power of the motor, used for turning the convertor with liquid metal and without metal under various conditions: on pouring the metal into the ladle; on the removal of slag; on lifting the convertor with metal for blowing etc. The determination of the maximum moment on the axis of turning of the convertor was found to be necessary for the above calculations. This was carried out by calculating and measuring the individual component moments. The turning moment of liquid metal was determined using a model (scale 1 to 5, Fig 1 and 2) and water instead of liquid

Card 1/2

metal. The results of these determinations are shown

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

SOV/133-59-4-9/32

The Determination of Overturning Moment of a Convertor With Liquid Metal by Means of a Model

in the table and Fig 5. The total turning moment of the convertor is the sum of the moments of liquid metal, inertia of rotating masses, static moments and friction moments. There are 5 figures and 1 table.

ASSOCIATION: Dnepropetrovskiy Gipromez (Dnepropetrovsk Gipromez)

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

ACCESSION NR: AP4020927

\$/0051/64/016/002/0260/0263

AUTHOR: Gorbenko, P.K.

TITLE: Luminescence of F' centers in KCl crystals

SOURCE: Optika i spek troskopiya, v.16, no.2, 1964, 260-263

TOPIC TAGS: alkali halide crystal, potassium chloride, color center, F center, F' center luminescence, F' center absorption

ABSTRACT: The purpose of the present work was to investigate the characteristics of F' center luminescence at low temperature. It has been demonstrated by L.S.Druskina (ZhETF,12,54,1942), H.Pick (Ann.Phys.,31,365,1938) and other investigators that under the influence of light with the wavelength of the F absorption band the F centers in colored alkali halide crystals transform to F' centers; the F' band is wider than the F band and shifted to the long wavelength side relative to the latter. The measurements were carried out on additively colored KCl crystals which initially contained only F centers (about 10¹⁷ centers per cm³ according to evaluation by the Smakula formula). The crystals were mounted in a copper holder and cooled to liquid nitrogen temperature (-180°C). The optical absorption and the spectral lumi-

Card, 1/4

ACCESSION NR: APLO20927

nescence intensity distribution were measured by means of an IKS-11 infrared spectrometer coupled to an FEU-22 photomultiplier. The spectral sensitivity of the setup was determined beforehand under standard conditions of illumination of the slit by an incandescent lamp with known color temperature. First, there was recorded the F center luminescence spectrum (Fig. 1 in the Enclosure). Then the crystal was irradiated for about an hour by F absorption band light (\(\lambda_{max} = 1000 mm)\); this resulted in appearance of the F' band, which partially overlaps with the F band. The infrared (F') luminescence spectrum of a crystal containing both F and F' centers with illumination in the F' band is shown by curve a of Fig.2 (Enclosure); curve b in this figure shows the F' luminescence spectrum under illumination in the F band. It will be seen that the band becomes wider and its peak is shifted somewhat. Thus, the experimental results show that F' center luminescence is observed under illumination in the region of the F' absorption band (the emission peak is located at 1040 mm); luminescence is also observed with stimulation in the region of the F band, which indicates energy transfer from the F to the F' centers. This process is accompanied by thermal dissociation of the F' centers (detachment of the electron) with resultant weakening of the F' center luminescence. "In conclusion, the author thanks W.P.Kalabukhov for suggesting the topic and discussion of the results; the author is also grateful to P.A. Yupachkovskiy for his interest in the work and use

Cord 2/4 DISCUSSIONS DRIG DRIG DRIG LAS Up from

ACC NR: AP6011556	SOURCE CODE: UR/	0051/66/020/003/0453/045
AUTHOR: Gorbenko, P. J	K.	5 , 5 ,
ORG: none		Æ
TITLE: Kinetics of pho in alkali halide crysta	ototransformation of	F centers into F' center
SOURCE: Optika i spekt	roskopiya, v. 20, no	. 3, 1966, 453-458
TOPIC TAGS: color cent light absorption, cryst tion process, crystal	er, alkali halide, e cal vacancy, polaron,	

L 26716-66

ACC NR: AP6011556

the polarons with either the vacancies (producing F centers) while with F centers (producing F' centers), transport of energy from the excited F* centers to the produced F' centers, which subsequently dissociate into F centers and polarons. The kinetic equations for these processes are derived and are solved approximately by assuming that no new absorption bands, other than F' bands occur during the transformation of the F center into the F' center. The probability of energy transfer is determined from the dynamic equilibrium of the center density. The solution of the system of kinetic equations for the densities of the F and F' centers has a complicated time dependence, and the relaxation of the photoconductivity is exponential. The results were compared with experimental data on electronlytically colored KCl crystals irradiated with monochromatic light at 550 nm. The agreement between the theory and experiment was good. The author thanks N. P. Kalabukhov for guidance and P. A. Yurachkovskiy and V. Ya. Yevin for useful discussions. Orig. art. has: 2 figures and 20 formulas.

SUB CODE: 20/ SUBM DATE: 17Apr64/ ORIG REF: 008/ OTH REF: 003

Card 2/2 K/

ACCESSION NR: AP4020959

5/0051/64/016/003/0475/0479

AUTHOR: Ralabukhov, N. P.; Gorbenko, P. K.

TITUS: Concerning the kinetics of the photochemical reaction of conversion of F centers to M centers in KCl crystals

SOURCE: Optika i spektroskopiya, v.16, no.3, 1964, 475-479

TOPIC TAGS: color centers, alkali halide crystal, potassium chloride, F center, M center model, photoconductivity, center luminescence

ABSTRACT: Although it is well known that as a result of irradiation of colored alkali halide crystals with light in the F band there form M centers (from the F centers) the mechanism of the conversion is still obscure and there is no unanimity concerning the structure of the M centers. Accordingly, the present work was devoted to investigation of the kinetics of photochemical conversion of F centers to M centers in KCl crystals. The initial additively colored KCl crystals contained only F centers (verified by observation of the absorption spectrum) with a concentration of about 10¹⁷ per cm³, as estimated by the Smakula formula. For the purpose of repeak experiments with the same crystals the M centers (M band) were annihilated by

Card 1/2

ACCESSION NR: AP4020959

heating in the dark to 300°C. The main measurements were made at room temperature. In addition to the absorption spectra, recorded by means of an SF-4 spectrophotometer, the photoconductivity of the crystals was measured by means of a sensitive electrometer, and the luminescence by means of an FDU-22 photomultiplier. The experimental data are presented in the form of curves. The time measurements show that under F band (560 mm) illumination equilibrium between the concentrations of F and M centers is attained in about half an hour, at which point the concentration of F centers falls off to about 8% the initial value. Analysis of the data indicates that the M centers form as a result of attachment of a neighboring defect by an excited F center. The M centers form in an excited state and then de-excites to the ground state nonradiatively. The temperature variation of the process of M center formation is expensively. The temperature variation of the process of M center formation excited F centers to the M centers, which luminesce in the infrared region. "In conclusion, the authors express their sincere gratitude to P.A. Yurachkovskiy for useful discussions of the work." Orig.art.has: I formula and 7 figures.

ASSOCIATION: none

SUBMITTED: 25Feb53

SUB CODE: PH

DATE ACQ: 02Apr64

NR REF SOV: 002

ENCL: 00

OTHER: 011

Card2/2

<u>L 155%6-66</u> EWT(d)/EWT(1)/EPF(n)-2/T IJP(c) WW/GG

ACC NR: AP6004406

SOURCE CODE: UR/0051/66/020/001/0069/0073

AUTHOR: Yurachkovskiy, P. A.; Gorbenko, P. K.

ORG: none

TITLE: Effect of temperature on the formation of Z₁-centers in KCl-CaCl₂ crystals

SOURCE: Optika i spektroskopiya, v. 20, no. 1, 1966, 69-73

TOPIC TAGS: potassium chloride, calcium chloride, color center, absorption spectrum,

ABSTRACT: KCl-CaCl₂ crystals were studied to determine the mechanism responsible for Z_1 -centers. The crystals were grown by the Kyropoulos method from chemically pure salts. The melt contained 0.5 mol.% CaCl₂. The specimens were dyed by heating them in sodium vapor at 870°K for 1 1/2 hours. A spectrophotometer was used for measuring the absorption spectra at 90°K. Before the experiment, the specimen to be studied was heated in darkness to 470°K so that the initial absorption of the crystal was a pure F-band with a half-width of 0.22 ev. No Z_1 -bands were formed at 170°K even with protracted F-irradiation. However, a weak Z_1 -band appeared if the

Card 1/3

UDC: 535.34 : 548.0

L 15566-66

ACC NR: AP6004406

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specimen was irradiated simultaneously with F-illumination and irradiation in the F'-band (λ_m = 740 m μ), which is thermally stable and shows its highest intensity at this temperature. A weak Z_1 -band is formed at 210° K even without additional irradiation by F'-light. However, F'-irradiation intensifies the formation of Z_1 -centers. This shows that the formation of \mathbf{Z}_1 -centers at low temperatures is subordinate to the competing formation of F'-centers. Z_1 -bands are formed with considerably less effort at temperatures above 250°K. Curves for absorption of the crystals as a function of temperature for the case of F-irradiation show that the sharpness of the peak for the \mathbf{Z}_1 -band decreases at higher temperatures. The broadening of the \mathbf{Z}_1 band indicates that it is accompanied by another absorption band at longer wave lengths. The maximum for this band, determined by subtracting the Z-bands for temperatures of 320 and 250°K lies at about 610 mu, i.e. it coincides with the maximum of the $\rm Z_2$ -band observed after heating a crystal with $\rm Z_1$ -centers to a temperature of 380°K. Curves are given showing the reduction in the f-band and the increase in the Z_1 -band at various temperatures. These curves show that the formation of Z_2 -centers at higher temperatures partially retards the increase in the Z_1 -band. At the same time, the F-band is annihilated more quickly at higher temperatures. It is assumed that an ion process of F-center dissociation is superimposed on photothermal ionization of F-centers resulting in the formation of Z_2 -centers which broaden the Z_1 -band.

Card 2/3

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ACC NR: AP6004406

This ion process may be the association of the impurity ion-cation vacancy complex with an F-center due to an increase in the rate of diffusion of defects with higher temperatures. Orig. art. has: 2 figures, 2 formulas.

SUB CODE: 20/ SUBM DATE: 04May64/ ORIG REF: 001/ OTH REF: 014

30

Card 3/3

L 15781-66 ENT(1) IJP(c)

ACC NR: AP6006998

SOURCE CODE: UR/0051/66/020/002/0276/0282

AUTHOR: Gorbenko, P. K.

ORG: none

TITLE: Structure and transformation of color centers in KCl crystals

SOURCE: Optika i spektroskopiya, v. 20, no. 2, 1966, 276-282

TCPIC TAGS: color center, electron transition, irradiation, single crystal, light absorption, absorption spectrum, potentium chloride

AESTRACT: The nature of color centers in KCl crystals was investigated. Specimens $16 \times 8 \times 0.1-0.3$ mm were obtained from KCl single crystals grown by the Kyropoulos method. The initial concentration of F-centers was of the order of 10^{18} cm⁻³. A 150-w incandescent lamp was used as a light source for irradiation of the crystals. The optical absorption spectra were measured at room temperature and liquid nitrogen temperature. After a 4-hour irradiation of the crystal with a light $\lambda = 560$ mm at room temperature, M_1 -, R_1 -, R_2 -, N_1 -, and N_2 -centers appeared in the crystal. The form of the spectrum in the region of F-absorption changed considerably. Further, the symmetry of the absorption spectrum curve was distorted with regard to the maximum, and the halfwidth increased from 0.20 to 0.29 ev, which indicate that additional bands corresponding Card 1/2 UDC: 548.0:620.192+535.37

L 15781-66

ACC NR: AP6006998

to electron transitions in centers of a different nature appear in the F-band region after irradiation of the crystal. The presence of bands in the region of F-sbsorption when F- and M-centers are in the crystal, their proportional change resulting from photochemical reaction in the transformation of F-centers into M centers, and their thermal destruction at the same temperature, shows that F(M) and M_1 bands correspond to electron transitions in the same center. By investigating paramagnetic resonance, optical absorption, and reciprocal transformation of the coloration centers it was found that R_1 -, R_2 -, N_2 -bands, as well as three bands in the F-absorption region, correspond to electron transitions in the F_4 -centers generated as the result of the photochemical reaction of M-centers, whose dipole moments are oriented along the <110>, <110>, and <100> directions. [JA]

SUB CODE: 20/ SUBM DATE: 27Jun64/ ORIG REF: 008/ OTH REF: 022/ ATD PRESS: 420/

Card 2/2)7/05

GORBENKO, 8.M.

Use of Monomycin with prednisolone and monomycin with lidase in some obstetrical and gynecological diseases. Zdravookhraneniye 6 no.2:22-24 Mr-Ap:63. (MIRA 16:10)

1. Iz 1-go rodil'nogo doma g. Kishineva (glavnyy vrach T.A. Avksent'yeva) i kafedry mikrobiologii (zav. - prof. V.N. Derkach) Kishinevskogo meditsinskogo instituta.

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0

ACC NR. AP6035762

(A,N)

SOURCE CODE: UR/0413/66/000/019/0133/0134

INVENTOR: Kozlov, S. I.; Corbenko, S. M.; Bakulina, R. I.; Kochetkov, Yu. V.

ORG: none

TITLE: Device for transmitting and automatically registering information from equipment in operation. Class 74, No. 186872

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 133-134

TOPIC TAGS: computer, computer system, industrial automation, industrial instrument, INFORMATION PROCESSING

ABSTRACT: An Author Certificate has been issued for a device for transmitting and automatically registering information from equipment in operation. The device consists of electric-pulse summation counters, telephone numerical selectors, equipment-condition transducers, interval scanners, and an electrical-circuit commutator. For the discrete automatic summation of equipment downtime, the commutator, which is in the form of a relay scanner, is connected through the normally closed contacts of the time-lag relay of the interval scanner's pulse pairs between the power supply and the interval-scanner's brushes, the contact leads off of the identical sign of which are connected to the electric-pulse summation counters.

SUB CODE: 09/ SUBM DATE: 23May64/

Cord 1/1

UDC: 621,398:654.941

FRENKEL, Yefim Borisovich; KONOLOV, Vladimir Georgiyevich; FAYB,
Semen Isakovich; SAVCHENKO, Vsevolod Viktorovich; GORBENKO,
S.S., insh., retsensent; LISITSYN, L.V., insh., retsensent;
RYZHOV, B.V., insh., retsensent; TSOKAMOV, A.V., insh.,
retsensent; KLIMOV, V.F., kand.tekhn.nauk, FREE, BOBROVA,
Ye.N., tekhn.red.

[Factory repair of electric railway motors and auxiliary machinery] Zavodskii remont tiagovykh dvigatelei i vspomogatel'nykh mashin. Moskva, Vses.isdatel'sko-poligr.ob*edinenie M-va putei soobshcheniia, 1961. 366 p.

(MIRA 14:12)

(Electric machinery-Maintenance and repair) (Railroads-Electric equipment)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

GORBENKO, S.S., podpolkovnik

"Assembling of radio equipment" by V.O. Bukler, IU.I. Rabinovich.
Reviewed by S.S. Gorbenko. Vest. protivovozd. obor. no.9:78-79
S '61.

(Radio industry) (Bukler, V.O.) (Rabinovich, IU.I)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

MALYSHKIN, Ye.V., inzh. [deceased]; GORBENKO, S.S., tekhnik

Improvement of the gland chambers of feed pumps. Energetik ll
no.2:11-12 F '63.

(Pumping machinery, Electric)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

MALYSHKIN, Ye.V., inzh. [deceased]; GORBENKO, S.S., tekhnik

Packing of turbine-condenser tubes. Energetik 10 no.12:24-25
D '62. (MIRA 16:1)

GORBENKO, S.S., tekhnik

Redesigning of the unloading device of the 5P-6-8 electric feed pump.
Energetik 11 no.5:12 My '63. (MIRA 16:7)

(Pumping machinery, Electric)

(Electric power plants—Electric equipment)

GORBENKO, S.S., podpolkovnik

Phenomenon of long-distance scattering of shortwaves reflected from the earth. Vest. protivovozd. obor. no.11:47-50 N '61. (MIRA 16:10)

(Radio waves-Scattering)

GORBENKO, S.S., tekhnik

Redesigning of the reverse valve of the SS 100 x 10 electric feed pump. Energetik 11 no. 12:15-16 D '63. (MIRA 17:5)

GORBENKO, T., polkovnik; MOISEYEV, N., podpolkovnik

A tent for a medical disinfection installation. Voen. vest. 43 no.2:115-116 F.64. (MIRA 17:1)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0

BESKOROVAYNYY, B., inzh. (Kiyev); GORBENKO, V., inzh. (Kiyev)

Simple logarithmic voltmeter. Radio no.6:52-53 Je *65.

(MIRA 18:10)

GORBENKO, V.F.; MIRONOV, S.I., akademik.

Stratigraphy of Cretaceous deposits at the north-eastern fault-walls of the Black Sea depression. Dokl. AN SSSR 93 no.1:135-137 N 153. (MLRA 6:10)

1. Akademiya nauk SSSR (for Mironov). 2. Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo (for Gorbenko).
(Black Sea region-Geology, Stratigraphic)
(Geology, Stratigraphic-Black Sea region)

gorb	
WER/ Golog	y - Tectonics
Cord 1/1	Pub. 22 - 36/51
Avithors 1	Gorbenko, V. F.
21.220	Connection between the cracks of upper Cretaceous deposits and the tectonics of the north-western region along the Donets ridge
Pariodical 1	Dok. AN SSSR 101/2, 331-334, Mar 11, 1955
Abstract	Geological data are presented regarding the relation between the cracks observed in the upper Cretaceous deposits and the tectonics of the north-western section of the Donets River basin. Five Russian and USSR references (1830-1940). Hap:
Vnetitution	The A. M. Gorkiy State University, Kharkov
	y: Academician B. I. Hironov, November 27, 1954

GORBENKO, V. F.

GORRENKO, V. F. "The Stratigraphy and Tectonics of the Upper Cretaceous
Deposits in the Zone of Dome-Structure Development on the
Northwestern Edge of the Donets Ridge." Min Higher Education
Ukrainian SSR. Khar'kov Order of Labor Red Banner State U
imeni A. M. Gor'kiy. Khar'kov, 1956. (Dissertation for the
Degree of Candidate in Geologicomineralogical Science)

So: Knizhnaya Letopis', No. 19, 1956.

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0

CLORBENKO, UF

USSR/Geology

Card 1/1

Pub. 22 - 28/43

Authors

: Gorbenko, V. F.

Title

1 Senoman stage deposits along the north-western section of the Donetsk crest

Periodical : Dok. AN SSSR 106/1, 106-109, Jan 1, 1956

Abstract

• Geological date are presented on the Senoman stage (clauconite) deposits found along the north-western section of the Donetsk crest in the USSR. Nineteen references: 18 USSR and 1 Germ. (1893-1955).

Institution: Kharkov State University im. A. M. Gorkiy

Presented by: Academician S. I. Mironov, June 29, 1955

CIA-RDP86-00513R000516110007-0" APPROVED FOR RELEASE: 06/13/2000

20-117-5-42/54

AUTHOR:

Gorbenko, V. F.

TITLE:

Pseudospiroplectinata - a New Genus of Foraminifera From Upper Cretaceous Deposits of the Northwestern Donets Basin (Pseudospiroplectinata - novyy rod foraminifer iz verkhnemelovykh otlozheniy severo-zapadnogo Donbassa)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 5, pp. 879 - 880 (USSR)

ABSTRACT:

During the micropaleontological investigations (references 1, 2, 4, 5) besides already known species of this group individuals were found of species lacking in the references. Some are worth to be separated as a new genus. Family Verneulinidae Cushman, 1928. Genus Pseudospiroplectinata gen.nov. Generotype: Ps.plana sp.nov. upperSonoman of the Khar'kov region, district of Petrovskiy and Iziumskiy. Original in the collection of the author number 22/8 and in the Allunion Scientific Geological Research Institute (Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy institut). The genus is similar to a certain extent to the genus Gaudryinella Plumner, 1931, according to the chamber arrangement. It differs from the latter by a flattened shell and an almost complete lack of silicate formations in it. It also reminds of Spiroplectinata Cushman, 1927, is, hower, in the early stages tri-

Card 1/2

20-117-5-42/54

Pseudospiroplectinata - a New Genus of Foraminifera From Upper Cretaceous Deposits of the Northwestern Donets Basin

farious and not spiral; the agglutination of the walls is unimportant. All 6 species belong to the same species. The description of the single species follows. The main characteristic features of the species are rather constant in the found individuals. The number of chambers varies in the trifarious series, does, however, never surpass 6. There are 1 figure, and 7 references, all of which are Slavic.

ASSOCIATION: Mining Institute Khar'kov (Kharikovskiy gornyy institut)

PRESENTED:

July 22, 1957, by S. I. Mironov, Academician

SUBMITTED:

July 18, 1957

Card 2/2

3(5) SOV/20-128-3-40/58 AUTHOR: Gorbenko, V. F. A Detailed Stratigraphic Subdivision of Upper Cretaceous TITLE: Deposits on the North-western Border of the Donbass, and the Coordination of Microfaunistic Complexes With the Diagrams of Standard Electric Logging Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 3, pp 578-581 PERIODICAL: (USSR) The stratigraphy of the sediments mentioned in the title is ABSTRACT: based on a scheme of A. D. Arkhangel'skiy and N. S. Shatskiy (Ref 1), which was later on detailed by O.R. Konoplina (Ref 4). The subdivision of Cretaceous formations suggested by the two former investigators cannot be used in the practice of prospecting boring since it does not contain any distinct boundaries between individual steps. Neither is there any macrofauna, or - if there is one - it is badly preserved. The author classified the said sediments on the basis of vertical propagation of the rhizopod fauna, comparing it with an evenaged fauna of the Russian Platform and other countries. He found 123 species, 2 subspecies and 9 varieties. This made possible the elimination of 12 characteristic microfaunistic complexes. Card 1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

A Detailed Stratigraphic Subdivision of Upper SOV/20-128-3-40/58 Cretaceous Deposits on the North-western Border of the Donbass, and the Coordination of Microfaunistic Complexes With the Diagrams of Standard Electric Logging

The author gives lists of species for 5 steps of the Upper Cretaceous system. The stratification scheme developed on the basis of vertical propagation of the most characteristic species of foraminifera can be put in good agreement with the diagrams of standard electric logging (Fig 1). It may be extensively used in the practice of petroleum- and natural gas prospecting. There are 1 figure and 4 Soviet references.

ASSOCIATION:

Voroshilovskiy gorno-metallurgicheskiy institut

(Voroshikovsk Mining Metallurgical Institute)

PRESENTED:

May 4, 1959, by D. V. Nalivkin, Academician

SUBMITTED:

April 9, 1959

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

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GORBENKO, V.F.

New species of foraminifera from upper Cretaceous sediments in the northwestern border of the Donets Basin. Izv.vys.ucheb.zav.; geol. i razv. 3 no.1:67-76 Ja '60. (MIRA 13:7)

1. Voroshilovskiy gorno-metallurgicheskiy institut.
(Donets Basin--Foraminifera, Fossil)

GORBENKO, V.F.

Recent data on Cenomanian spongoliths in northwestern outskirts of the Donets Basin. Dokl. AN SSR 135 no.1:146-147 N '60.

(MIRA 13:11)

1. Voroshilovskiy gornometallurgicheskiy institut. Predstavleno akademikom N.S.Shatskim.

(Donets Basin--Sandstone) (Geology, Stratigraphic)

BLANK, M.Ya.; GORBENKO, V.F.

Stratigraphy of Upper Cretaceous sediments in the northern Donets Basin. Dokl. AN SSSR 162 no.2:397-400 My 165. (MIRA 18:5)

1. Submitted February 17, 1964.

GORIENKO WO Pseudospiroplectinata - a new genus of foraminifera from upper Cretaceus deposits of the northwestern regions of the Donets Basin. Dokl. AN SSSR 117 no.5:879-880 D 157. (MIRI

1. Thar kovskiy gornyy institut. Predstavleno skademikom S.I. Mironovym.

(MIRA 11:3)

(Donata Basin--Foraminifera, fossil)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

GORBENKO, V.I., inzh.

Redesigning of the sprinklers of a pellicular water cooling tower. Energetik 10 no.11:15-17 N '62. (MIRA 15:12) (Electric power plants—Water supply)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516110007-0"

GORBENKO, V.I., inzh.; GACRYSHCHENKOV, G.P., inzh.

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